

SPY ROVER

Model No. 02010

Delivery Contents

Vehicle x 1	Transmitter x 1	FPV Goggles x 1
Head Strap x 1	Extended Cable x 1	Instruction manual x 1
All Battery x 1D	Micro-SD Card x 1	Screwdriver x 1

FCR Statement:

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference from authorized FCC devices.

Battery requirement (Vehicle):

Power Supply	CC-9V 230mAh
Capacity	14.1 V 1.17Ah (14.94Wh) (not included)

Battery requirement (Transmitter):

Power Supply	CC-3V 270mAh
Capacity	1.4 V 1.17Ah (1.638Wh) (not included)

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Safety Precautions:

- Parents, this toy is recommended for children. To ensure that your child plays in both ways and fun, please review the operating instructions with your children.
- DO NOT pick up moving vehicle.
- Keep hands, feet and loose clothing away from the tires and the wheel hubs when power switch is turned ON.
- Remove battery from the toy when not in use.
- DO NOT operate your vehicle on street. Avoid hitting people, pets or home furnishings.

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Care and Maintenance:

- Avoid remove batteries from the product when it is not being used for a long period of time.
- Operate only on flat, smooth and not slippery, dry surfaces and low pile carpet, as hair, carpet or dirt can affect the operation of the vehicle.
- Wipe the product gently with a clean cloth.
- Keep the product away from direct heat.
- Do not submerge the product into water that can damage the electronic assemblies.

Battery warnings:

- Rechargeable batteries are not to be recharged used for a long period of time.
- Different types of batteries or new and used batteries are not charged.
- Only batteries of the same or equivalent type as recommended are to be used.
- Batteries are to be treated with correct polarity.
- Exhausted batteries are to be removed from the product.
- The supply terminals are not to be short-circuited.
- Do not mix old and new batteries.
- Do not mix alkaline, standard (carbon-zinc) or rechargeable batteries.
- Rechargeable battery are only to be charged by an adult.

Special notes:

Before first use, read the user's information.

Notes:

- New alkaline batteries are recommended to use in this product to obtain best and maximum performance.

The normal function of the product may be disturbed by Strong Static Magnetic Interference. If so, simply reset the product to resume normal operation by following the instruction manual. In case the function could not resume, please use the product in other location.

1. THE TRANSMITTER & GOGGLE

The SPY ROVER transmitter is a wireless 2.4GHz frequency based communication device.

Caution:

- SPY ROVER has an effective control distance up to 50 meters in open space. Be sure to watch your driving distance.
- Video streaming signal is up to 40 meters in open space, problem may occur when exceed the distance.
- Pay attention to and follow local laws and regulations.

1.1 Parts Identification

1. GOG Control Left / Right	9. Side Identification	16. Single Connection Jack
2. GOG Control High / Volume + / *	10. Take Photo Button	17. Take Photo Button
3. GOG Control Low / Volume - / *	11. Camera Movement	18. Motor Adjustment
4. GOG Control Menu / Back	12. Camera Movement (Left/Right & up/down/Arrow)	19. Pull Distance Adjustment
5. Display Module	13. Power Switch	20. Speaker
6. LCD Mount	14. Power Indicator	21. Transmitter Connection Plug
7. Headset (Left & Right)	15. IR Status Indicator	22. LCD Module
8. Headset (Left & Right)	15. Volume (L / R)	23. Head Strap Hole
		24. Single Hole

1.2 Battery Installation

Transmitter Battery Installation (Make sure the Power Switch is in "OFF" position.)

- Press down the battery cover.
- Insert AA batteries into the battery compartment with correct polarity.
- Close the battery compartment.

Warning!

- Remove the battery from the compartment when not in use.
- DO NOT remove battery when the vehicle is in use.
- DO NOT touch the battery terminals with your fingers.

Note: If the Power Indicator on the Transmitter blinks (refer to the 1.4 Transmitter Indicator Status Information), please replace batteries as soon as possible.

Vehicle Battery Installation

- Switch off the Vehicle.
- Open both of the battery compartments by loosening the screw (Fig. 1).
- Put 8 Type AA battery in the battery compartment as per the polarity shown inside (Fig. 2).
- Push back the battery compartment covers (Fig. 3).

1.3 Goggle Installation

As the major electronic components and transmission module are inside the Goggle, connect the Goggle with the Transmitter as a result. There are two ways to do the connection.

1.3.1 For Handheld Usage

- Put out the LCD Module from the goggle.
- Put out the LCD Mount.
- Fit the LCD Module firmly at the correct position.

1.3.2 For Goggle Usage

- Insert the connection plug into the Goggle Connection Jack on the transmitter.
- Insert the Head Strap into the hole on both side of the Goggle.
- Adjust the tightness of the Head Strap to fit your head.
- User can force the sound through the earpiece.

FPV remote control is a new experience for advanced user, it is highly recommended to use handheld mode for beginners. When operating the Goggle during charging, please find out source of your surroundings for improved operation. Using Flying Controller are highly recommended to control the vehicle.

1.4 Transmitter Indicator Status Information

Power Indicator	Transmitter Status
Power On & functioning normally (Light up)	Establishing a link between the Transmitter and the Vehicle (Blinking)
Low voltage of Transmitter, should replace the batteries immediately (Flash)	Low voltage of Transmitter, should replace the batteries immediately (Flash)
IR Status Indicator	Low voltage of Transmitter, should replace the batteries immediately (Flash)
Take Photo (Flash once)	Video Taking (Light up)
Video Taking (Light up)	Low voltage of Vehicle (Flash)
Low voltage of Vehicle (Flash)	No signal detected from Vehicle (Flash)
Normal	Normal

1.5 Transmitter Operation

- Set transmitter power switch to "ON", the power indicator will glow.
- Set vehicle power switch to "ON".
- Steer the vehicle by adjusting the throttle stick and steering stick of transmitter in different combinations to perform different action.

1.5.1 For Handheld Usage

(I) Forward & Backward

(II) Spin

(III) Turning Left & Right

1.6 Tinting the Vehicle

When your Vehicle keep turning right, press left side trimmer continually until it stops turning.

When your Vehicle keep turning left, press right side trimmer continually until it stops turning.

Driving Tip:

- The turning speed and radius may vary at different control combination.
- Operate only on flat, smooth (but not slippery), dry surfaces and low pile carpet, as hair, carpet or dirt can affect the operation of the vehicle.
- Don't drive your vehicle in sand or through water or snow, if your vehicle gets wet, wipe with a towel and allow to dry completely.

1.7 Link between Transmitter and Vehicle

In order to control the Vehicle by the transmitter, to set up the link between them is essential.

- Make sure the power switches on both Transmitter and Vehicle are in OFF position, and the Goggle and Transmitter are well connected.
- Switch the Power on both Transmitter and Vehicle to ON position. The Power indicators will start glowing.
- When the link established, the Power indicators on both Transmitter and Vehicle will become solid.

1.8 Display Mode

LED screen is able to switch between different modes by pressing Display Mode button:

Normal > Zoom 1 > Zoom 2 > Zoom 3 > Off

2. VEHICLE

2.1 Part Identification

Top side, Bottom side, Side view

2.2 Camera Operation

The camera can only be operated by the Transmitter, please make sure the power of both the Vehicle and Transmitter are switched on, and make sure the link is established before operation.

Taking Video: Press once the Video button on transmitter to start video recording, the IR Status Indicator will flash on.

Taking Photo: Press once the Photo button on transmitter to take a photo, the IR Status Indicator will flash once.

Camera Adjustment: Press once the Video button on transmitter to start video recording, the IR Status Indicator will flash on. Press again the Video button to stop recording the IR Status Indicator will turn off.

NOTE: When in (I) or (II) video taking, support only corner of camera, if return to Normal (SD) Card, rotated, read error, please check your card whether it is well installed or the memory is full.

Mounting Other Camera Device: You may make use of the camera mounting screw to mount and install your own camera.

2.3 Inserting and Removing the MicroSD

- Insert the MicroSD card (not included) with the gold colored contacts facing down.
- Push gently the card and the card disappears from the slot, and then push it out of the slot.

Note: Memory card and MicroSD card not included.

Disclaimer:

This manual is provided "as is" and without warranty of any kind. The entire risk arising out of the use or performance of this product and this manual remains with user. Please read this manual prior to using the product and keep for future reference. Users are advised to review all applicable domestic and international laws to determine before using this product. To verify this product, you acknowledge that this item is not fully operational and agree to this disclaimer. Any other user, personal controls or failure to comply with any applicable laws and regulations, administrative rules and social standards are assumed by user.

2.4 Transferring Files to Computer through Card Reader

- If you use Vehicle has been installed Off-Device MicroSD card from Vehicle, insert it into your reader and connect with computer. Auto-up window will appear.
- Enter the camera folder, find the image files to required location. Copy the images or videos to your computer.

2.5 Troubleshooting

Symptom	Cause	Correction
Vehicle does not start, or not work	High frequency electromagnetic wave, high voltage, lightning and other types of discharge. The battery voltage is low.	Anti-static, or use another place to operate the vehicle. Charge the battery in a suitable place. Switch off the toy and turn on again.
Video or camera	High frequency electromagnetic wave, high voltage, lightning and other types of discharge. The battery voltage is low. The video or camera is not properly connected to the vehicle.	Charge the battery in a suitable place. Switch off the toy and turn on again. Check the connection between the vehicle and the camera. Make sure the connection is correct.
Vehicle won't drive, or not work	Power switch is not in "ON" position. Battery is not installed correctly. High frequency electromagnetic wave, lightning and other types of discharge. The battery voltage is low.	Check the battery polarity and connection. Charge the battery in a suitable place. Carefully remove the foreign materials. Adjust the radius of the wheel. Maintenance spare plastic wheels or insert a memory card.
Low light or not work	Light is not enough. The battery voltage is low.	Adjust the light. Charge the battery in a suitable place. Carefully remove the foreign materials. Adjust the radius of the wheel. Maintenance spare plastic wheels or insert a memory card.

2.6 Transmitter Operation Guide

Switch "ON" both Vehicle and Transmitter to set up the link between them. Then the IR Status Indicator will glow.

2.7 SD Card - Viewing and Erasing Images

- Plug in transmitter.
- Press the "SD" button on the transmitter.

2.8 Display - Adjusting brightness and contrast

- Press the "SD" button on the transmitter.
- Press the "SD" button on the transmitter.

2.9 Setting - Shooting function

- Press the "SD" button on the transmitter.
- Press the "SD" button on the transmitter.